

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA5201SW-D

*This certificate, issued to* S-TEC Corporation  
Rt. 4, Bldg. 946  
Wolters Industrial Complex  
Mineral Wells, Texas 76067

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.*

*Original Product — Type Certificate Number:* 3A12  
*Make:* Cessna  
*Model:* 172D, 172E, 172F, 172G, 172H, 172I, 172K  
and 172L

*Description of Type Design Change:*

Installation of S-TEC System 50 Two Axis Automatic Flight Guidance System, Model ST-182-50, according to Bulletin No. 282, Revision 2, dated 9-06-88 and Master Drawing List No. 92213, Revision B, dated 9-06-88 and/or later FAA Approved revisions of the above data (14 Volt System).

*Limitations and Conditions:*

1. Also eligible on the above models when modified per STC SA420CE (Lycoming Engine O-360-A1D, 180 HP).
2. FAA Approved Supplemental Flight Manual, P/N 89249, dated 9-08-83 is required and/or later FAA Approved revisions of the above supplement.
3. Compatability of this modification with other previously approved modifications must be determined by the installer.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* 7-22-83

*Date reissued:* 10-11-88, Revision 1

*Date of issuance:* 9-08-83

*Date amended:*



*By direction of the Administrator*

*Harold W. Holdeman*

(Signature)

Harold W. Holdeman  
DAS Staff Coordinator, DAS 5 SW

(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

*This certificate may be transferred in accordance with FAR 21.47.*

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*Original Product — Type Certificate Number:* 3A12  
*Make:* CESSNA  
*Model:* 172D, 172E, 172F, 172G, 172H, 172I, 172K  
AND 172L

*Description of Type Design Change:*

Installation of S-TEC System 50 Two Axis Automatic Flight Guidance System, Model ST-182-50, according to Bulletin No. 282, dated 7-13-83, and Master Drawing List No. 92213, dated 7-13-83, and/or later FAA Approved revisions of the above data, (14 Volt System).

*Limitations and Conditions:*

1. Also eligible on the above models when modified in accordance with STC SA420CE (Lycoming Engine O-360-A1D, 180 HP).
2. FAA Approved Supplemental Flight Manual, P/N 89249, dated 9-8-83 is required and/or later FAA Approved revisions of the above supplement.
3. Compatibility of this modification with other previously approved modifications must be determined by the installer.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* 7-22-83

*Date reissued:*

*Date of issuance:* 9-8-83

*Date amended:*



*By direction of the Administrator*

*Harold W. Holdeman*  
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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

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### TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number \_\_\_\_\_

to *(Name of transferee)* \_\_\_\_\_

*(Address of transferee)* \_\_\_\_\_

*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

from *(Name of grantor) (Print or type)* \_\_\_\_\_

*(Address of grantor)* \_\_\_\_\_

*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

Extent of Authority (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor *(In ink)*: \_\_\_\_\_